

# SEQUENCE LISTING

<110> Raines, Ronald T.

<120> Oxidation-Resistant Ribonuclease Inhibitor

<130> 960296.95360

<140>

<141>

<160> 3

<170> PatentIn Ver. 2.0

<210> 1

<211> 456

<212> PRT

<213> Rattus sp.

<400> 1

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      20              25              30

Cys Gly Leu Thr Glu Val Arg Cys Lys Asp Ile Arg Ser Ala Ile Gln
      35              40              45

Ala Asn Pro Ala Leu Thr Glu Leu Ser Leu Arg Thr Asn Glu Leu Gly
      50              55              60

Asp Ala Gly Val Gly Leu Val Leu Gln Gly Leu Gln Asn Pro Thr Cys
      65              70              75              80

Lys Ile Gln Lys Leu Ser Leu Gln Asn Cys Ser Leu Thr Glu Ala Gly
      85              90              95

Cys Gly Val Leu Pro Asp Val Leu Arg Ser Leu Ser Thr Leu Arg Glu
      100             105             110

Leu His Leu Asn Asp Asn Pro Leu Gly Asp Glu Gly Leu Lys Leu Leu
      115             120             125

Cys Glu Gly Leu Arg Asp Pro Gln Cys Arg Leu Glu Lys Leu Gln Leu
      130             135             140
  
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Ser Asn Asn Cys Met Gly Asp Asn Gly Val Leu Gln Leu Leu Glu Ser  
 405 410 415  
 Leu Lys Gln Pro Ser Cys Ile Leu Gln Gln Leu Val Leu Tyr Asp Ile  
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 Tyr Trp Thr Asp Glu Val Glu Asp Gln Leu Arg Ala Leu Gln Glu Glu  
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 Arg Pro Ser Leu Arg Ile Ile Ser  
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<210> 2  
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 Cys Gly Leu Thr Glu Glu His Cys Lys Asp Ile Gly Ser Ala Leu Arg  
 35 40 45  
 Ala Asn Pro Ser Leu Thr Glu Leu Cys Leu Arg Thr Asn Glu Leu Gly  
 50 55 60  
 Asp Ala Gly Val His Leu Val Leu Gln Gly Leu Gln Ser Pro Thr Cys  
 65 70 75 80  
 Lys Ile Gln Lys Leu Ser Leu Gln Asn Cys Ser Leu Thr Glu Ala Gly  
 85 90 95  
 Cys Gly Val Leu Pro Ser Thr Leu Arg Ser Leu Pro Thr Leu Arg Glu  
 100 105 110  
 Leu His Leu Ser Asp Asn Pro Leu Gly Asp Ala Gly Leu Arg Leu Leu  
 115 120 125  
 Cys Glu Gly Leu Leu Asp Pro Gln Cys His Leu Glu Lys Leu Gln Leu  
 130 135 140  
 Glu Tyr Cys Arg Leu Thr Ala Ala Ser Cys Glu Pro Leu Ala Ser Val  
 145 150 155 160

Leu Arg Ala Thr Arg Ala Leu Lys Glu Leu Thr Val Ser Asn Asn Asp  
 165 170 175  
 Ile Gly Glu Ala Gly Ala Arg Val Leu Gly Gln Gly Leu Ala Asp Ser  
 180 185 190  
 Ala Cys Gln Leu Glu Thr Leu Arg Leu Glu Asn Cys Gly Leu Thr Pro  
 195 200 205  
 Ala Asn Cys Lys Asp Leu Cys Gly Ile Val Ala Ser Gln Ala Ser Leu  
 210 215 220  
 Arg Glu Leu Asp Leu Gly Ser Asn Gly Leu Gly Asp Ala Gly Ile Ala  
 225 230 235 240  
 Glu Leu Cys Pro Gly Leu Leu Ser Pro Ala Ser Arg Leu Lys Thr Leu  
 245 250 255  
 Trp Leu Trp Glu Cys Asp Ile Thr Ala Ser Gly Cys Arg Asp Leu Cys  
 260 265 270  
 Arg Val Leu Gln Ala Lys Glu Thr Leu Lys Glu Leu Ser Leu Ala Gly  
 275 280 285  
 Asn Lys Leu Gly Asp Glu Gly Ala Arg Leu Leu Cys Glu Ser Leu Leu  
 290 295 300  
 Gln Pro Gly Cys Gln Leu Glu Ser Leu Trp Val Lys Ser Cys Ser Leu  
 305 310 315 320  
 Thr Ala Ala Cys Cys Gln His Val Ser Leu Met Leu Thr Gln Asn Lys  
 325 330 335  
 His Leu Leu Glu Leu Gln Leu Ser Ser Asn Lys Leu Gly Asp Ser Gly  
 340 345 350  
 Ile Gln Glu Leu Cys Gln Ala Leu Ser Gln Pro Gly Thr Thr Leu Arg  
 355 360 365  
 Val Leu Cys Leu Gly Asp Cys Glu Val Thr Asn Ser Gly Cys Ser Ser  
 370 375 380  
 Leu Ala Ser Leu Leu Leu Ala Asn Arg Ser Leu Arg Glu Leu Asp Leu  
 385 390 395 400  
 Ser Asn Asn Cys Val Gly Asp Pro Gly Val Leu Gln Leu Leu Gly Ser  
 405 410 415

Leu Glu Gln Pro Gly Cys Ala Leu Glu Gln Leu Val Leu Tyr Asp Thr  
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Tyr Trp Thr Glu Glu Val Glu Asp Arg Leu Gln Ala Leu Glu Gly Ser  
435 440 445

Lys Pro Gly Leu Arg Val Ile Ser  
450 455

<210> 3

<211> 461

<212> PRT

<213> Homo sapien

<400> 3

Met Ser Leu Asp Ile Gln Ser Leu Asp Ile Gln Cys Glu Glu Leu Ser  
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20 25 30

Val Arg Leu Asp Asp Cys Gly Leu Thr Glu Ala Arg Cys Lys Asp Ile  
35 40 45

Ser Ser Ala Leu Arg Val Asn Pro Ala Leu Ala Glu Leu Asn Leu Arg  
50 55 60

Ser Asn Glu Leu Gly Asp Val Gly Val His Cys Val Leu Gln Gly Leu  
65 70 75 80

Gln Thr Pro Ser Cys Lys Ile Gln Lys Leu Ser Leu Gln Asn Cys Cys  
85 90 95

Leu Thr Gly Ala Gly Cys Gly Val Leu Ser Ser Thr Leu Arg Thr Leu  
100 105 110

Pro Thr Leu Gln Glu Leu His Leu Ser Asp Asn Leu Leu Gly Asp Ala  
115 120 125

Gly Leu Gln Leu Leu Cys Glu Gly Leu Leu Asp Pro Gln Cys Arg Leu  
130 135 140

Glu Lys Leu Gln Leu Glu Tyr Cys Ser Leu Ser Ala Ala Ser Cys Glu  
145 150 155 160

Pro Leu Ala Ser Val Leu Arg Ala Lys Pro Asp Phe Lys Glu Leu Thr

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Val	Ser	Asn	Asn	Asp	Ile	Asn	Glu	Ala	Gly	Val	Arg	Val	Leu	Cys	Gln	
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Gly	Leu	Lys	Asp	Ser	Pro	Cys	Gln	Leu	Glu	Ala	Leu	Lys	Leu	Glu	Ser	
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Cys	Gly	Val	Thr	Ser	Asp	Asn	Cys	Arg	Asp	Leu	Cys	Gly	Ile	Val	Ala	
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Ser	Lys	Ala	Ser	Leu	Arg	Glu	Leu	Ala	Leu	Gly	Ser	Asn	Lys	Leu	Gly	
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Asp	Val	Gly	Met	Ala	Glu	Leu	Cys	Pro	Gly	Leu	Leu	His	Pro	Ser	Ser	
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Arg	Leu	Arg	Thr	Leu	Trp	Ile	Trp	Glu	Cys	Gly	Ile	Thr	Ala	Lys	Gly	
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Cys	Gly	Asp	Leu	Cys	Arg	Val	Leu	Arg	Ala	Lys	Glu	Ser	Leu	Lys	Glu	
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		290				295					300					
Cys	Glu	Thr	Leu	Leu	Glu	Pro	Gly	Cys	Gln	Leu	Glu	Ser	Leu	Trp	Val	
305					310				315						320	
Lys	Ser	Cys	Ser	Phe	Thr	Ala	Ala	Cys	Cys	Ser	His	Phe	Ser	Ser	Val	
				325					330					335		
Leu	Ala	Gln	Asn	Arg	Phe	Leu	Leu	Glu	Leu	Gln	Ile	Ser	Asn	Asn	Arg	
			340					345					350			
Leu	Glu	Asp	Ala	Gly	Val	Arg	Glu	Leu	Cys	Gln	Gly	Leu	Gly	Gln	Pro	
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Gly	Ser	Val	Leu	Arg	Val	Leu	Trp	Leu	Ala	Asp	Cys	Asp	Val	Ser	Asp	
		370				375					380					
Ser	Ser	Cys	Ser	Ser	Leu	Ala	Ala	Thr	Leu	Leu	Ala	Asn	His	Ser	Leu	
385					390				395						400	
Arg	Glu	Leu	Asp	Leu	Ser	Asn	Asn	Cys	Leu	Gly	Asp	Ala	Gly	Ile	Leu	
				405					410					415		
Gln	Leu	Val	Glu	Ser	Val	Arg	Gln	Pro	Gly	Cys	Leu	Leu	Glu	Gln	Leu	

420

425

430

Val Leu Tyr Asp Ile Tyr Trp Ser Glu Glu Met Glu Asp Arg Leu Gln  
435 440 445

Ala Leu Glu Lys Asp Lys Pro Ser Leu Arg Val Ile Ser  
450 455 460